

4 PAIR 24AWG CAT5E EXTREME WEATHERPROOF SHIELDED UV FTP CABLE

Part Number: PROCAT5EXT

Design and Test For

IP Megapixel CCTV/Analog Outdoor Installations
Wire Access Points
Gigabit Outdoor Video/data installations
Long distance PoE feeding
Reference Standard:EIA/TIA 568 & ISO/IEC 11801

Construction

Conductor 100% High Quality Copper
AWG 24
Conductor Dia.(mm) 0.5
Insulation HDPE
Average Thickness(mm) 0.18
Insulation Dia.(±0.02mm) 0.91
Over 100% Polyester Tap and Al Foil Shielded
Drain Wire 24AWG Bare Copper
Jacket CMX UV Rated
Average Thickness(mm) 0.55
Outer Dia.(±0.2mm) 6.2
Rip Cord Per request

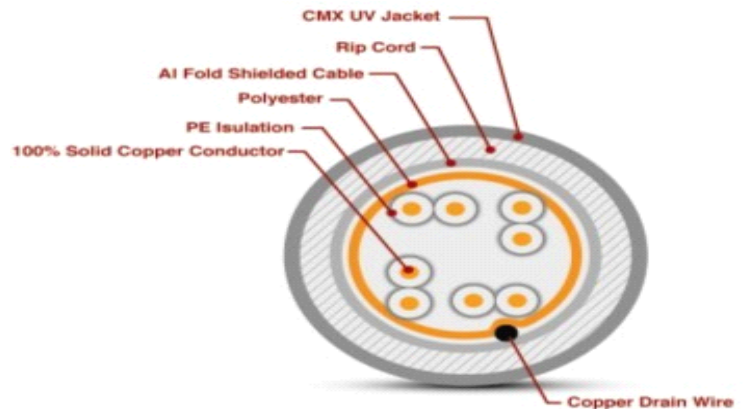
Insulation Color

Blue-White/ Blue Green-White/ Green
Orange-White/ Orange Brown-White/ Brown

Jacket Color

Standard Grey
Special Per customer Request

Cross Section



Standard Packing

1000FT/Easy Pull Box

Electrical Specifications

Dielectric strength 2.5KV dc-2seconds
Conductor resistance Max 9.38ohm/100M at 20°C
Max. ring resistance 16.8 ohm/100M at 20°C
Max. mutual capacitance 560 pf/100M
Max. capacity unbalance 330 pf/100M
Standard impedance 100±15 ohm between 1Mhz and 100Mhz
Minimum bending radius 50mm
Working temperatures -20~60°C

| Frequency (Mhz) | ACR (dB) | RL (dB) | ATT (dB/100) | NEXT (dB) | PS.NEXT (dB) | ELFEXT (dB) | PS-ELFEXT (dB) |
|-----------------|----------|---------|--------------|-----------|--------------|-------------|----------------|
| 0.772 | 67.7 | 20 | 1.8 | 67.0 | 64.0 | 66.0 | 63.0 |
| 1 | 66.3 | 20 | 2. | 65.3 | 62.3 | 63.8 | 60.8 |
| 4 | 55.2 | 23.0 | 4.1 | 56.3 | 53.3 | 51.7 | 48.7 |
| 8 | 49.0 | 24.5 | 5.8 | 51.3 | 48.8 | 45.7 | 42.7 |
| 10 | 46.8 | 25 | 6.5 | 50.3 | 47.3 | 43.8 | 40.8 |
| 16 | 42.1 | 25 | 8.2 | 47.3 | 44.3 | 39.7 | 36.7 |
| 20 | 39.5 | 25 | 9.3 | 45.8 | 42.8 | 37.7 | 34.7 |
| 25 | 36.9 | 24.3 | 10.3 | 44.3 | 41.3 | 35.8 | 32.8 |
| 31.25 | 34.2 | 23.3 | 11.7 | 42.9 | 39.9 | 33.9 | 30.9 |
| 62.3 | 24.4 | 20.7 | 17.0 | 38.4 | 35.4 | 27.8 | 24.8 |
| 100 | 16.3 | 19 | 22.0 | 35.3 | 32.3 | 23.8 | 20.8 |

*All values in this specification are nominal and are subjective to tolerances of +/- 10 to 15%